

I. Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

- Claim 1. (currently amended) ~~An A-circuitry configuration for an~~ electromagnetic regeneration valve for venting a tank of a motor vehicle, the regeneration valve being actuatable by pulse-width modulation and ~~including~~ having a pulsed mode and a proportional mode having a higher frequency than the pulsed mode comprising:
- a solenoid, ~~the and~~ circuitry configuration ~~comprising~~ including:
 - a power source for supplying the solenoid with electricity;
 - a control unit for generating pulse-width-modulated signals;
 - a switching device, the solenoid capable of receiving the pulse-width-modulated signals of the control unit via the switching device; and
 - a suppression device for suppressing high induced voltages at the solenoid, the solenoid in the proportional mode having a position corresponding to a mean current level.
- Claim 2. (currently amended) ~~The circuitry configuration~~ electromagnetic regeneration valve as recited in claim 1, wherein the suppression device includes a free-wheeling diode connected in parallel to the solenoid.
- Claim 3. (currently amended) ~~The circuitry configuration~~ electromagnetic regeneration valve as recited in claim 1, wherein the regeneration valve is actuatable in a the proportional mode with a pulse frequency of between 20 Hz and 200 Hz.

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- Claim 4. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 3, wherein the regeneration valve is actuatable with a pulse frequency of about 50 Hz.
- Claim 5. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 1, wherein the power source includes the vehicle's electrical system.
- Claim 6. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 1, wherein the control unit includes ~~the~~ an engine controller.
- Claim 7. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 1, wherein the switching device includes a power transistor.
- Claim 8. (currently amended) The ~~circuitry configuration~~ electromagnetic regeneration valve as recited in claim 7, further comprising a further diode connected in parallel to the power transistor.